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DATE MAILED: 05/27/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

52044 7590 05/27/2009
SNELL & WILMER L.L.P. (Panasonic)
600 ANTON BOULEVARD
SUITE 1400

COSTA MESA CA 92626

EXAMINER
SNYDER, ZACHARY J
ART UNIT PAPER NUMBER
2889

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
10/577,979	05/01/2006	Shinichi Yamamoto	50478-2000	5180				
TITLE OF INVENTION: PLAMA DISPLAY PANEL								

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/27/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE: shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used f correspondence includir d below or directed oth ions.	or tran	smitting the ISSU Patent, advance or in Block 1, by (a	JE FEE and PUBLIC rders and notification a) specifying a new of						
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
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COSTA MESA,	CA 92626								(Deposit	tor's name)
									((Signature)
										(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION	NO.
10/577,979	05/01/2006			Shinichi Yamamo	to			50478-2000	5180	
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APPLN, TYPE	SMALL ENTITY	IS:	SUE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSU	FEE	TOTAL FEE(S) DUE	DATE DU	E
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SNYDER, Z	ACHARY J		2889	313-587000						
Change of corresponde CFR 1.363).	nce address or indicatio	n of "Fe	ee Address" (37	2. For printing on	the p	atent front page, lis	t			
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3. ASSIGNEE NAME A										
PLEASE NOTE: Unle recordation as set forth	ess an assignee is ident 1 in 37 CFR 3.II. Comp	ified be	low, no assignee of this form is NO	data will appear on t T a substitute for filin	he pa	atent. If an assign assignment.	ee is io	entified below, the do	cument has been	filed for
(A) NAME OF ASSIC				(B) RESIDENCE: (0						
Please check the appropri	ate assignee category or	catego	ries (will not be pr	inted on the patent):	۵	Individual 🚨 Co	orporati	on or other private gro	up entity 🖵 Gov	ernment
4a. The following fee(s)	are submitted:		41			se first reapply ar	y prev	iously paid issue fee	hown above)	
Issue Fee			_	A check is enclose						
Advance Order - #	o small entity discount p	permitte	ed)	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any						
				overpayment, to	Depo	sit Account Numbe	er	(enclose a	extra copy of this	form).
	SMALL ENTITY state	is. See	37 CFR I.27.					TITY status. See 37 CF		
NOTE: The Issue Fee and interest as shown by the r	Publication Fee (if requeerly of the United Sta	uired) v tes Pate	will not be accepted and Trademark	d from anyone other t Office.	han th	he applicant; a regi	stered.	ttorney or agent; or th	e assignee or other	party in
Authorized Signature						Date				
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600 ANTON BO	OULEVAR	ART UNIT	PAPER NUMBER				
SUITE 1400			2889				
COSTA MESA.	CA 92626	DAME MARK TID. 05/07/0000					

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 371 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 371 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No. Applicant(s) 10/577.979 YAMAMOTO ET AL Notice of Allowability Examiner Art Unit 2889 Zachary Snyder -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 5/1/2009. The allowed claim(s) is/are 1,3-10,12-15,22 and 23. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance

/Zachary Snyder/ Examiner, Art Unit 2889

of Biological Material

9. ☐ Other .

Application/Control Number: 10/577,979

Art Unit: 2889

DETAILED ACTION

Allowable Subject Matter

Claims 1, 3-10, 12-15, and 22-23 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art of record does not anticipate nor render obvious to one ordinary skilled in the art a plasma display panel comprising various elements as claimed, more specifically, a plurality of needle crystals composed of a conductive substance or a semiconductor substance are disposed on the electron emitting electrode to reach the protective film by penetrating the dielectric film in a thickness direction from a surface of the electrodes, wherein the needle crystals are disposed substantially perpendicular to the main surface of the front substrate to penetrate the dielectric film in a thickness direction, and a material of the dielectric film and a material of the protective film are layered to completely fill gaps between the needle crystals.

JP 2002-117771 to Seiki et al. teaches a plasma display panel with a dielectric layer containing needle crystals, that completely covers the display electrodes, the dielectric layer covered with a protecting film with the needle crystals penetrating the dielectric film, but does not teach a display electrode pair with an electron emitting electrode formed between the display electrode pair and the needle crystals formed then on the electron emitting electrode with the material of the dielectric film and material of the protective film layers to completely fill gaps between the needle crystals.

Art such as US Patent 5,973,444 to Xu et al. show need crystals formed between an electrode pair but there is no dielectric layer being penetrated by the needle crystals and no protection layer completely filling in the gaps between the needle crystals.

Art Unit: 2889

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Amendment

The finality of that action dated 1/16/2009 is withdrawn due to the amendment filed 5/1/2009 placing the application in condition for allowance.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zachary Snyder whose telephone number is (571)270-5291. The examiner can normally be reached on Monday through Friday, 9:30AM to 6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Toan Ton can be reached on (571)272-2303. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2889

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Zachary Snyder/ Examiner, Art Unit 2889 /Toan Ton/ Supervisory Patent Examiner, Art Unit 2889